

## 47GHz Cassegrain Antenna

June 2001  
JA1ATI

Dish size	35cm	45cm	50cm
Model Number	TA-352 (TDK)	TA-45(D)HV (TDK)	TA-502 (TDK)
F/D ratio	0.3	0.25	0.27
Feed Horn	IMU (Dual-Mode)	IMU (Dual-Mode)	IMU (Dual-Mode)
Mode-Transition	TE10/TE11	TE10/TE11	TE10/TE11
Wave Guide	WR-22	WR-22	WR-22
Flange size	UG383/U	UG383/U	UG383/U
Sub-Reflector Diameter	70mm	70mm	70mm
Design number	9630	9625B	9627
VSWR	<1.3:1	<1.3:1	<1.3:1
Beamwidth (-3dB)	1.2 degrees	1.0 deg	0.9 deg
Gain	40.1dBi	45.5dBi	46.2dBi
Total weight	0.9kg	1.3kg	- -